

FIG. 1

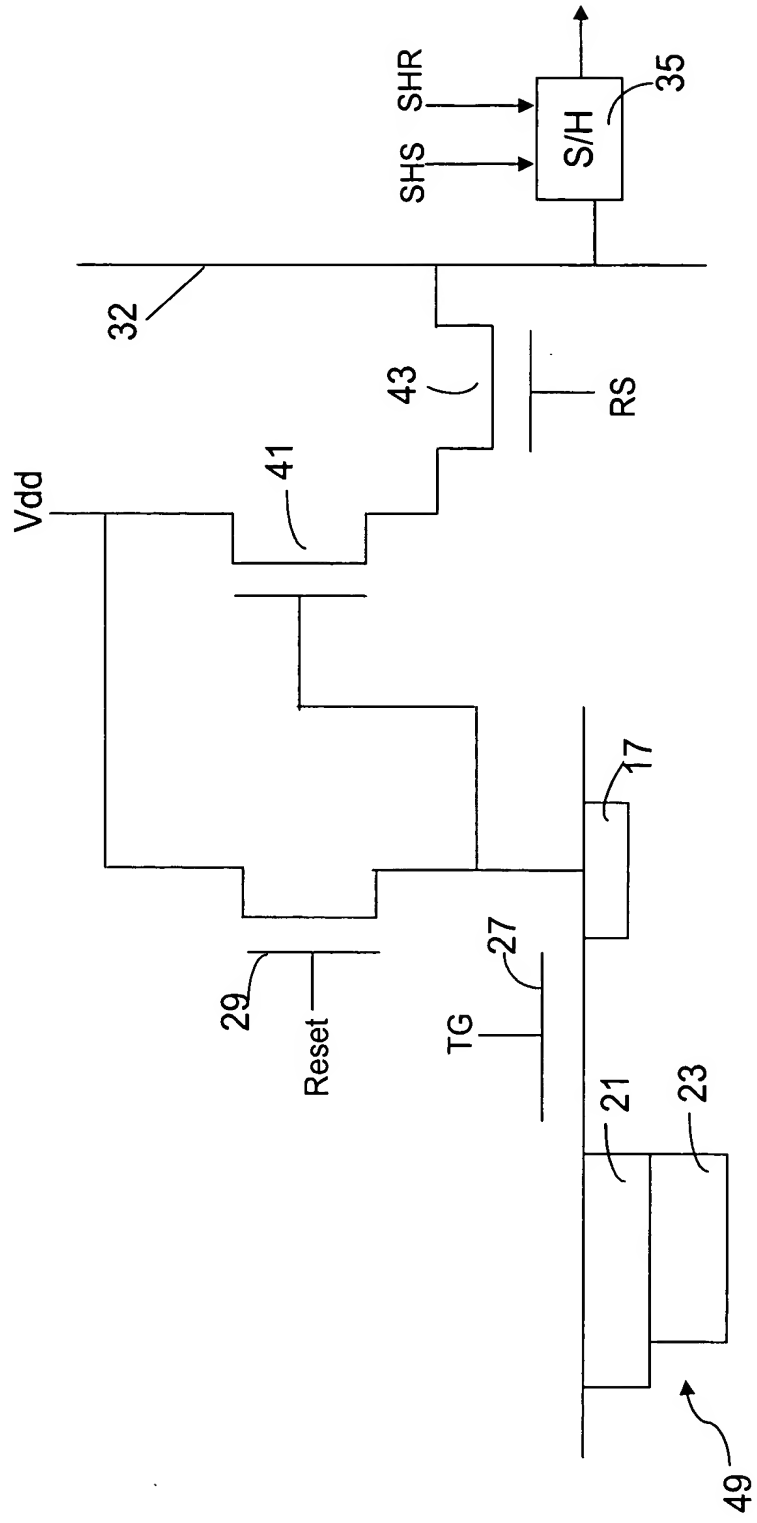


FIG. 2

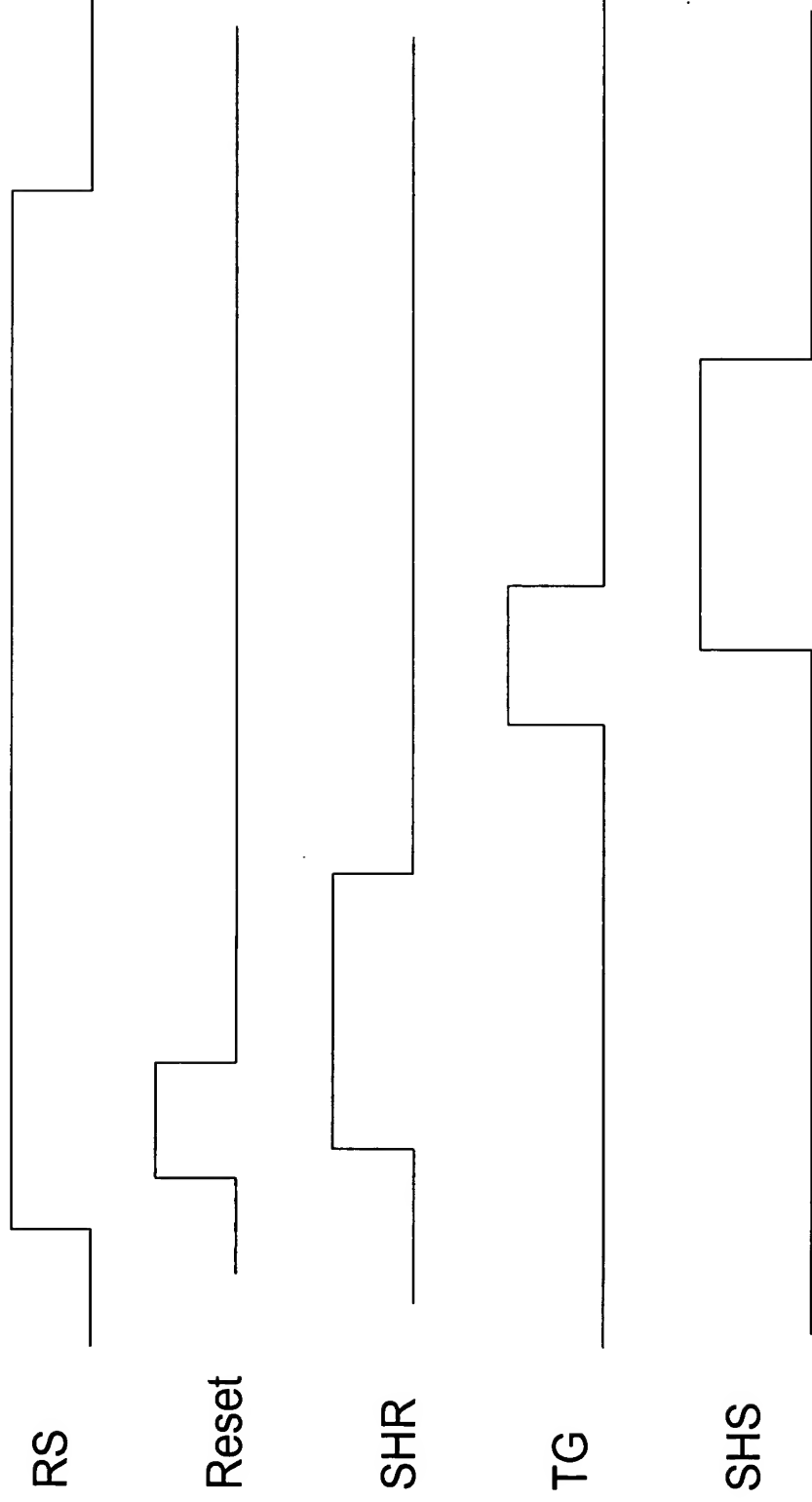


FIG. 3

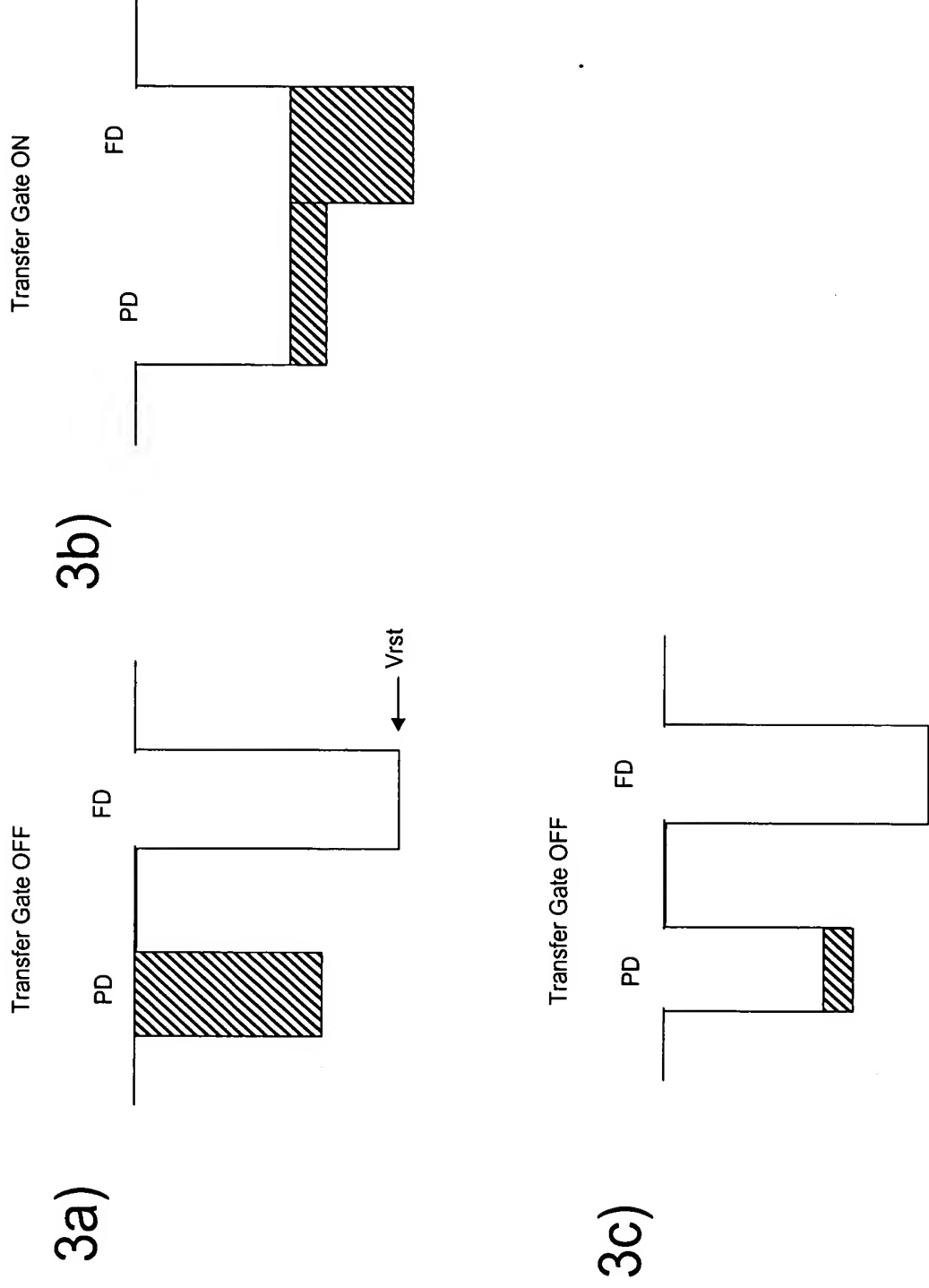


FIG. 4

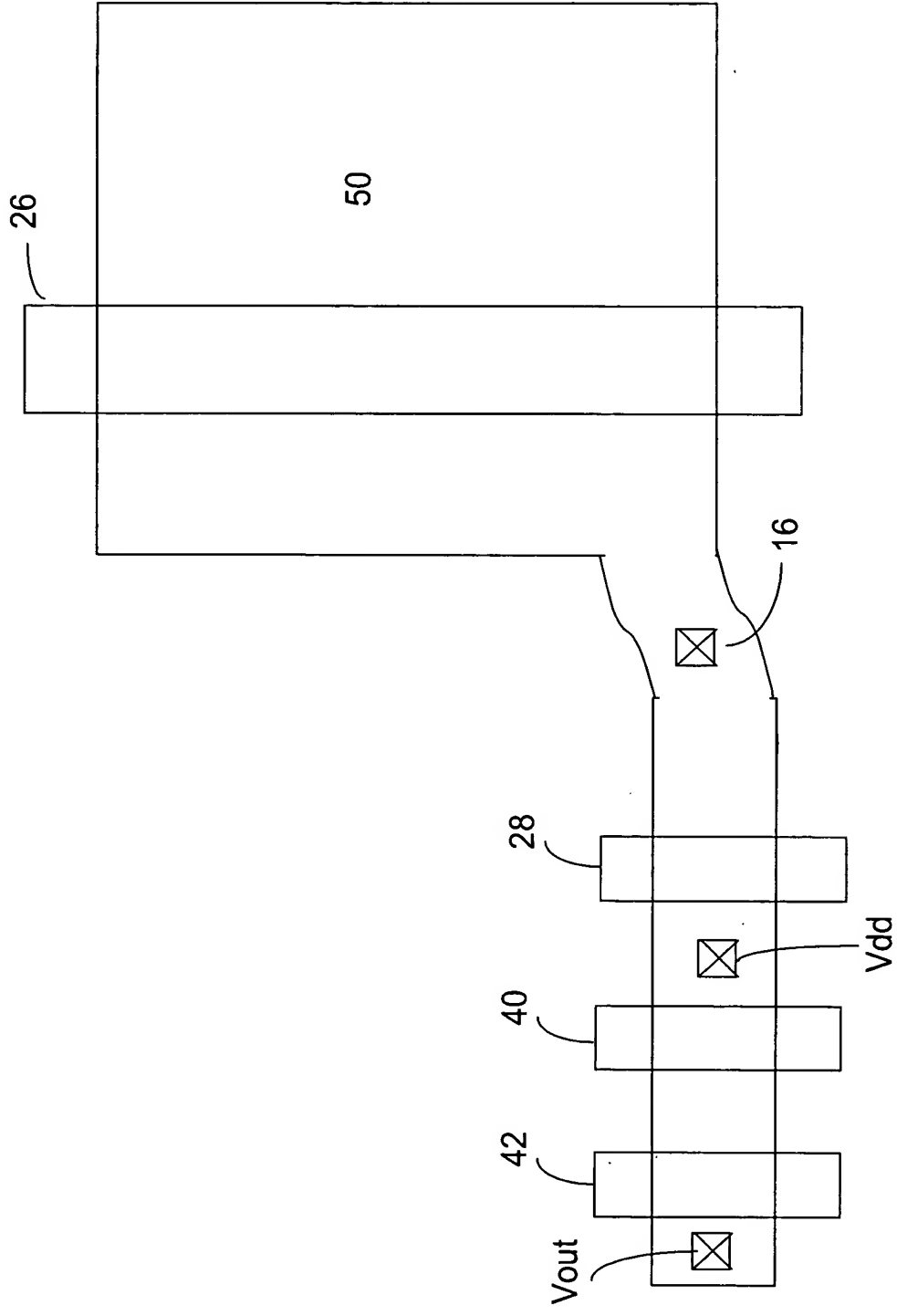


FIG. 5

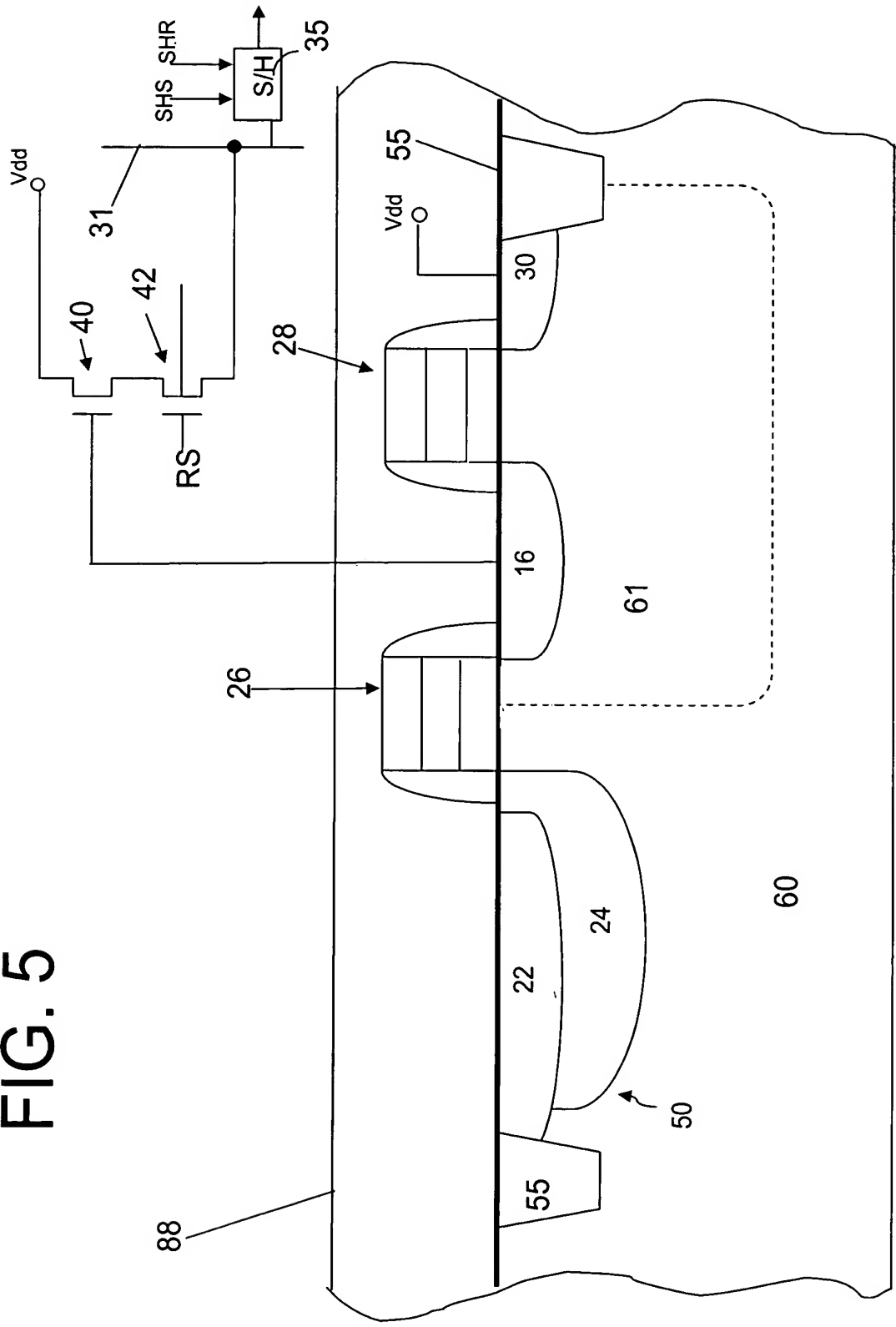


FIG. 6a

Charge sweep

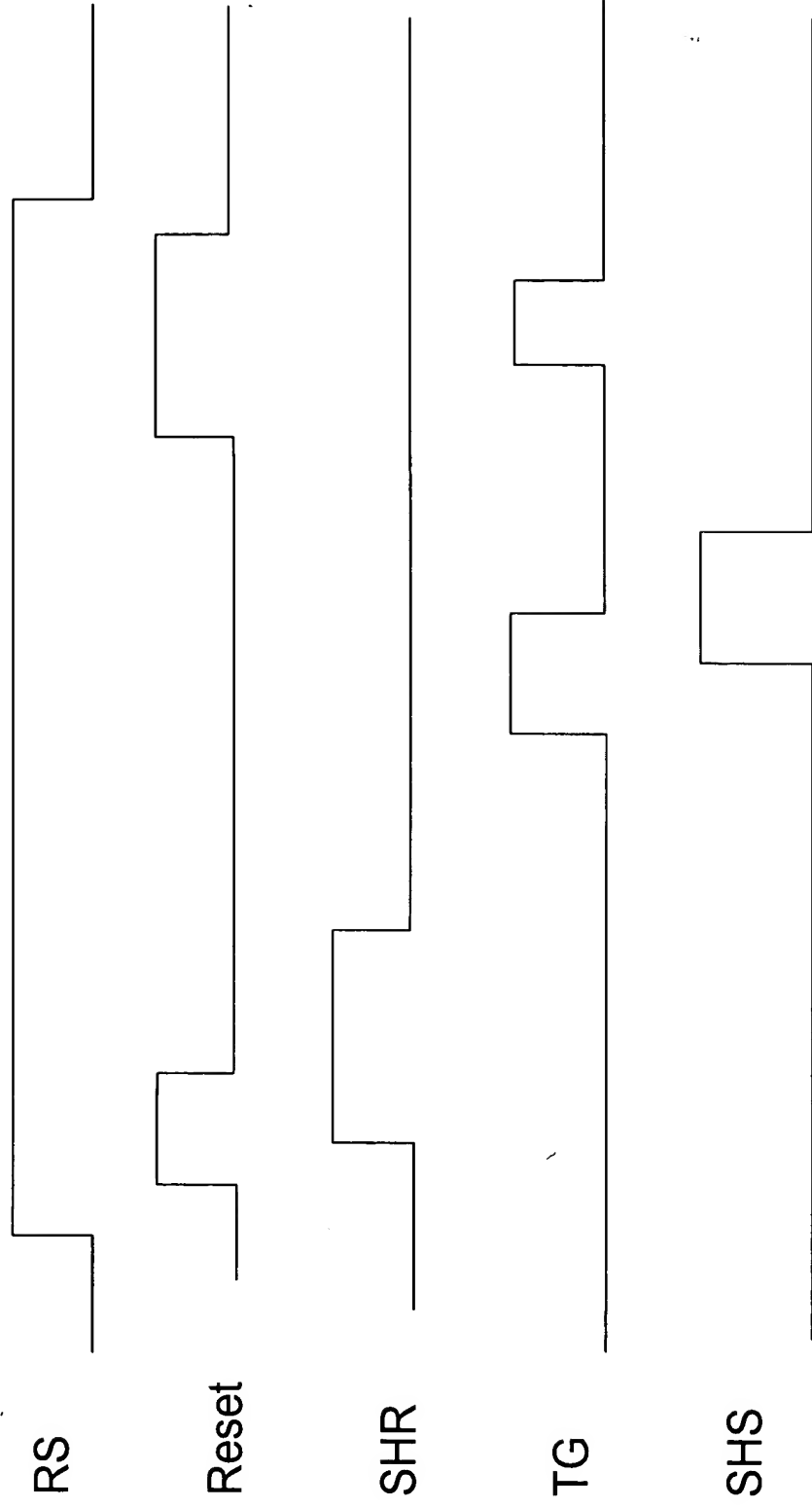


FIG. 6b

Charge sweep

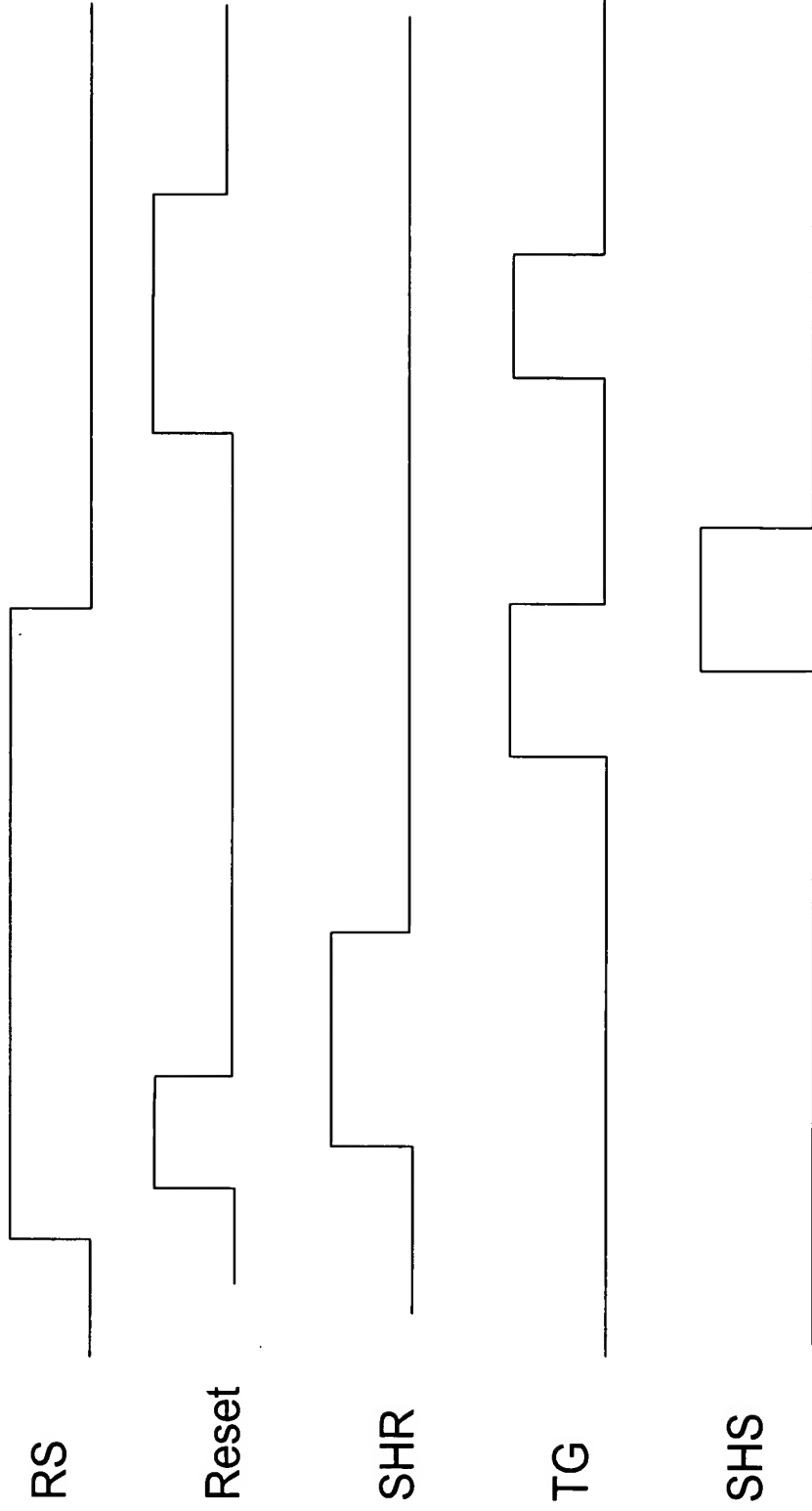
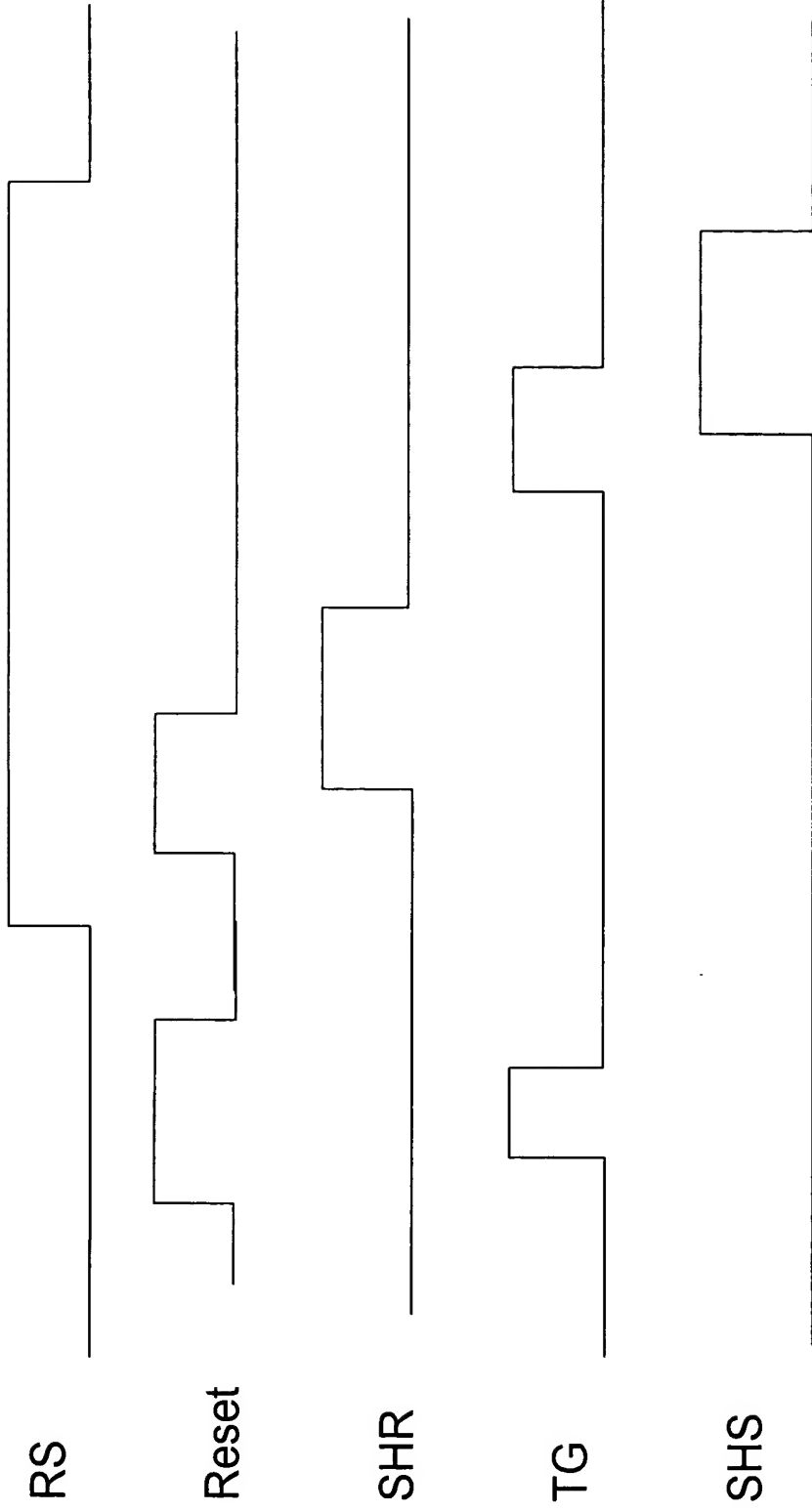


FIG. 6C

Charge sweep



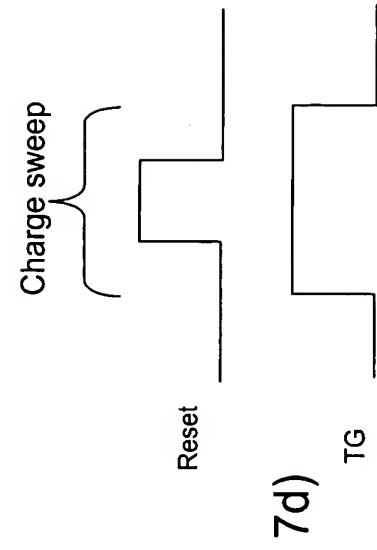
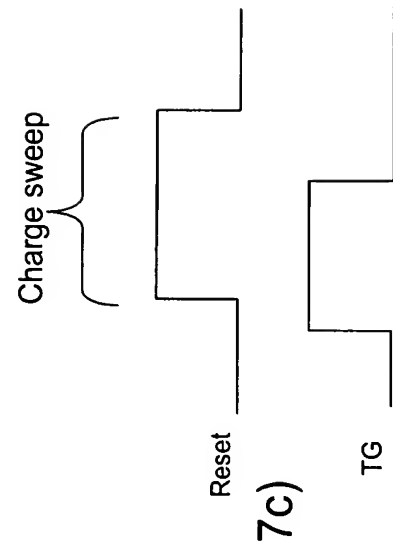
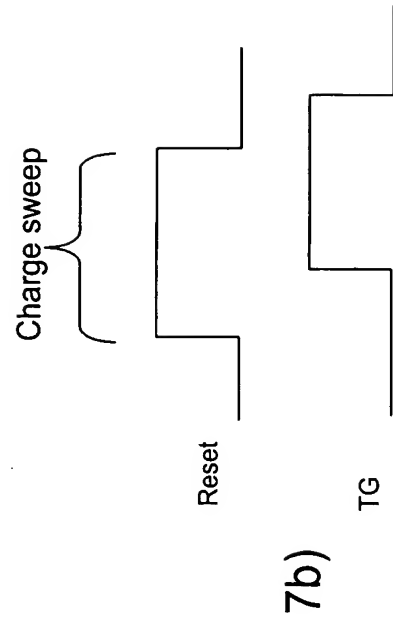
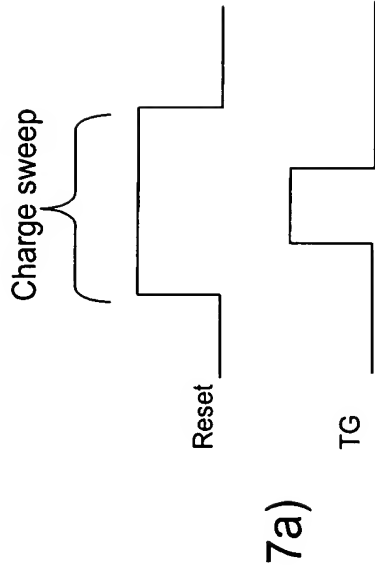


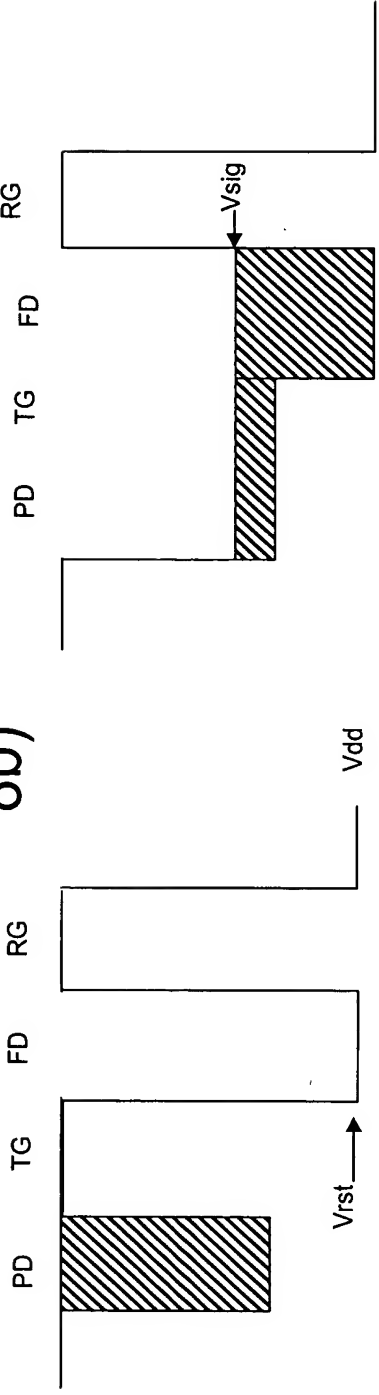
FIG. 8

Transfer Gate OFF, Reset Gate OFF (1)

8a)

8b)

Transfer Gate ON(1), Reset Gate OFF

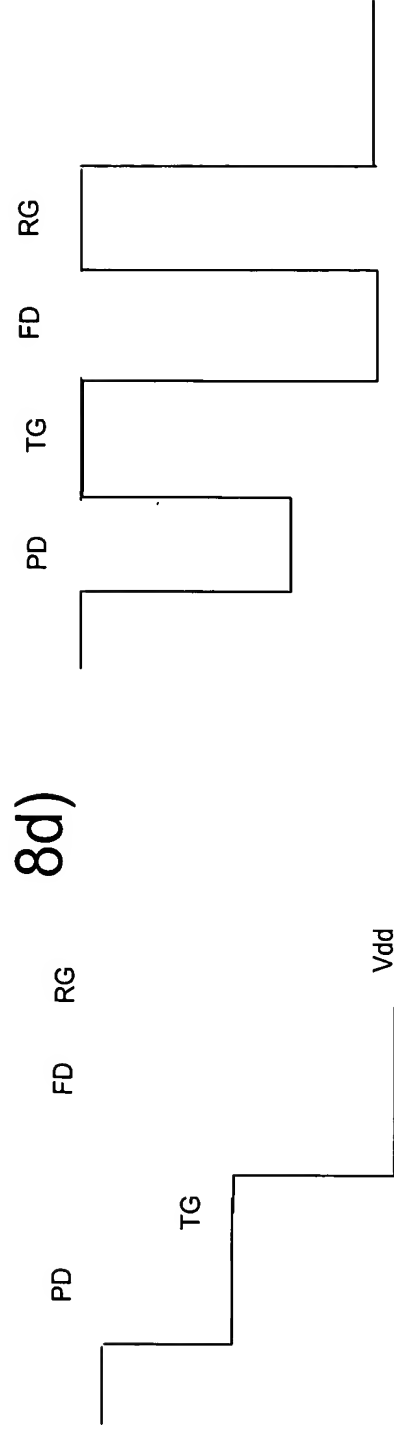


Transfer Gate ON(2), Reset Gate ON(2)

8c)

8d)

Transfer Gate OFF, Reset Gate OFF



9. 6 1

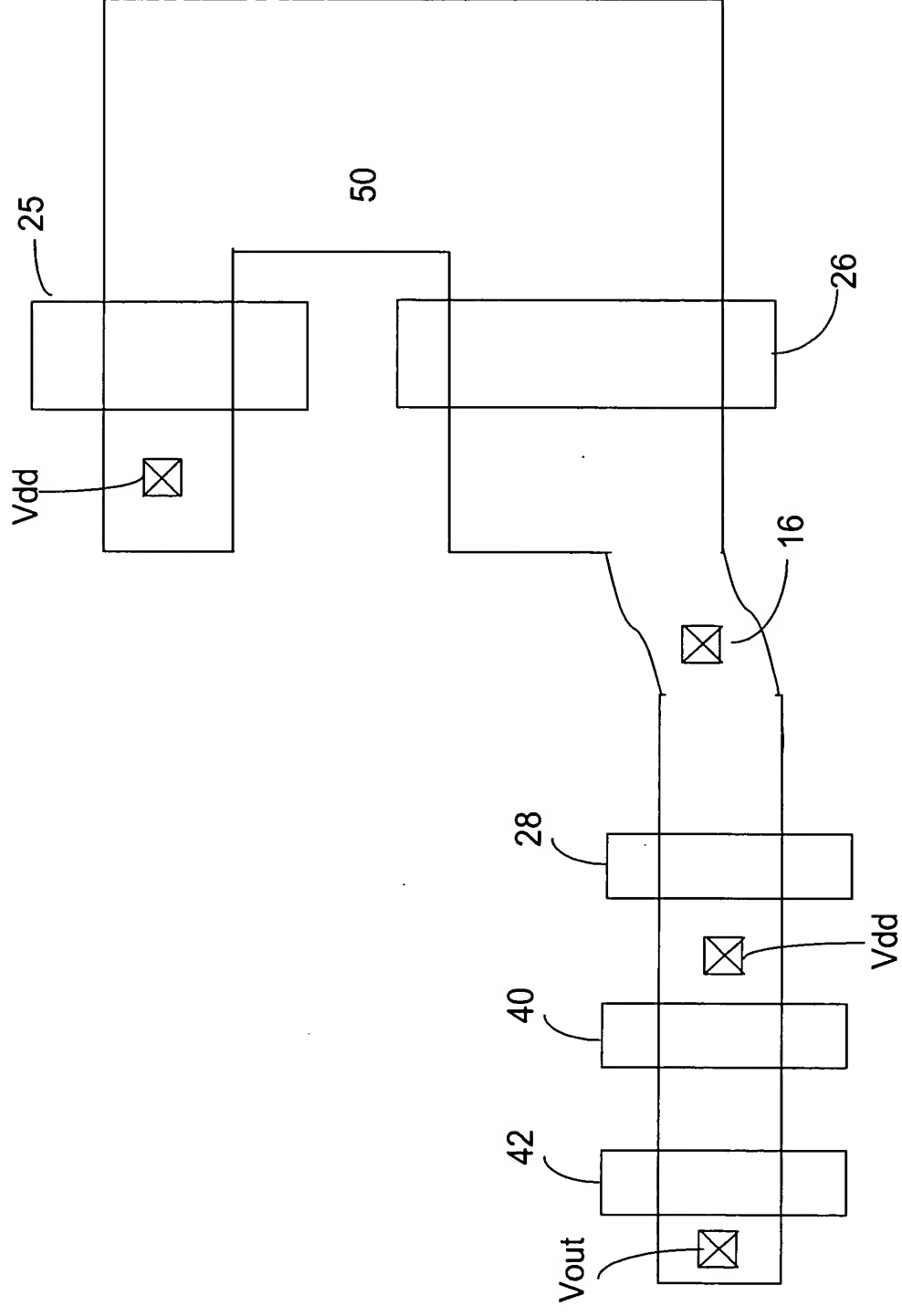


FIG. 10

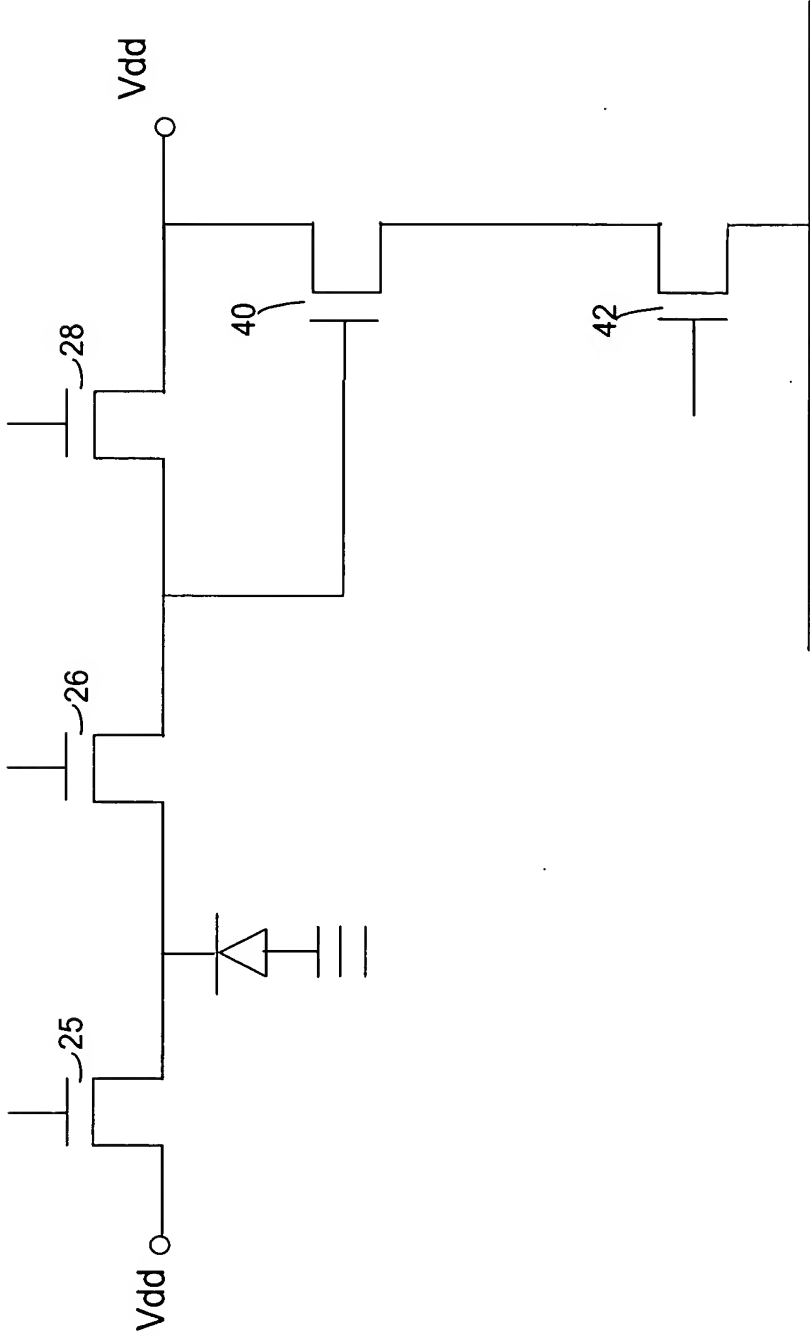


FIG. 11

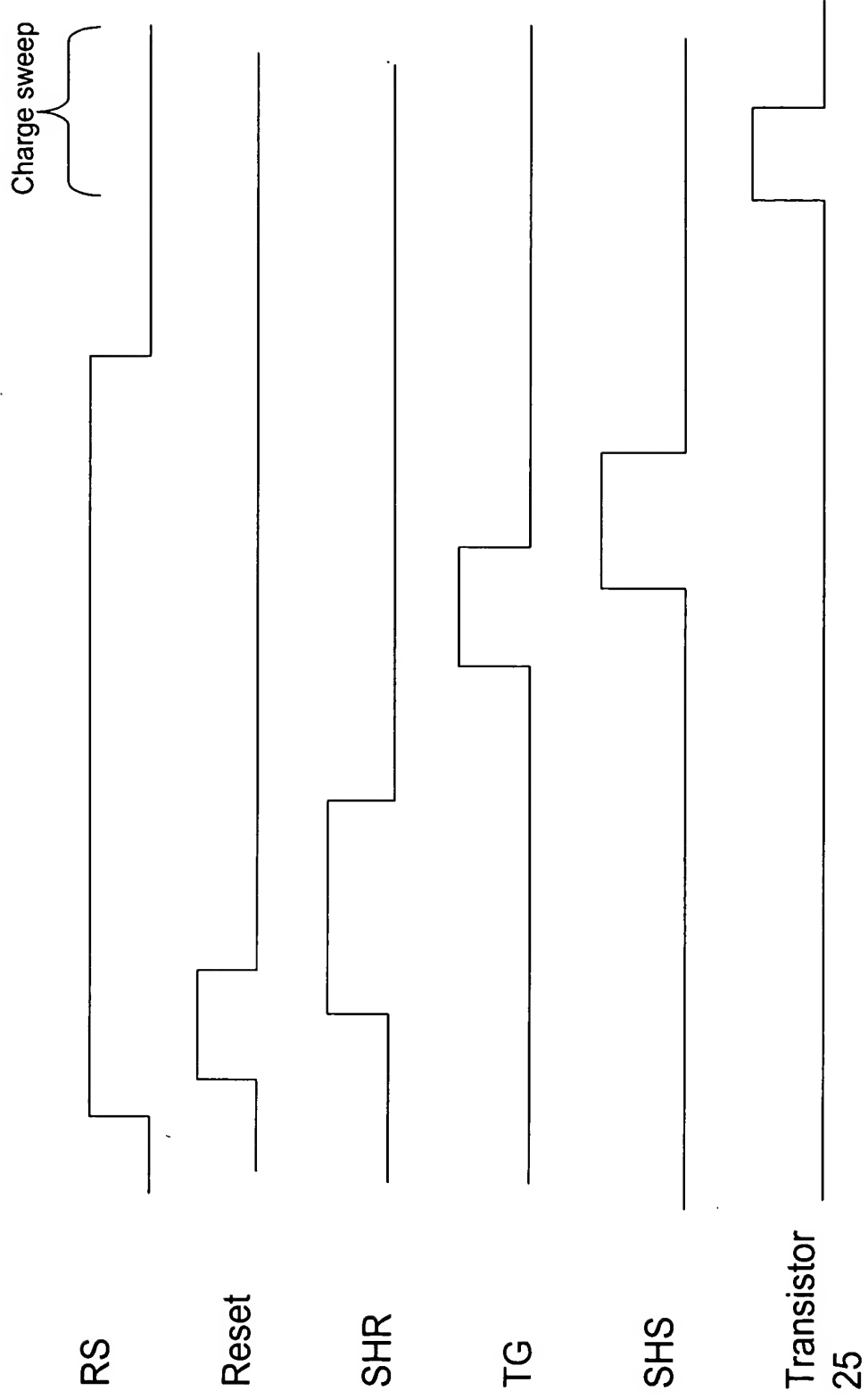


FIG. 12

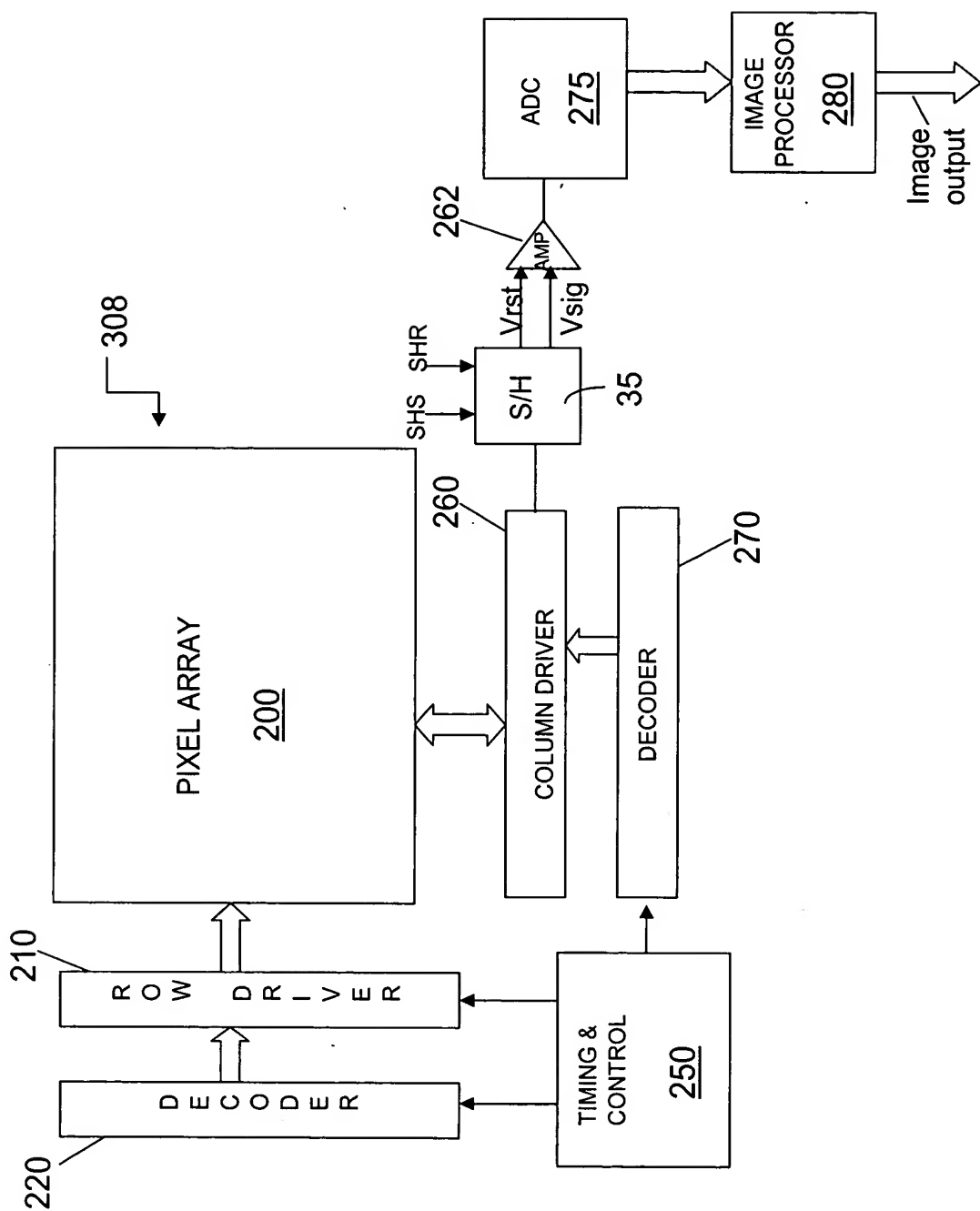


FIG. 13

